



## CITY OF SUGAR LAND

Engineering Department

**CIP Project Number:** DR0804

**Title:** Integrated Stormwater Management

**Project Phase:** PER

**% of Phase Completion**

**PER/Design**



**Cost for this Phase:** \$ 300,000

**Funding Sources:** CO's

**Project Manager:** Shashi Kumar, P.E.

**Contractor:** N/A

**Consultant:** Halff Associates/Dannenbaum

### **Project Description:**

A number of watershed studies have been performed in the past resulting in the creation of hydrologic and hydraulic (H&H) models specific to a watershed. However, these individual models need to be integrated and updated to better understand the overall performance of the City's drainage system.

**Justification:** The ongoing flood map modernization program by FEMA will result in creating updated H&H models for Oyster Creek and Brazos River. The City is proposing integration of H&H models in other watersheds to these updated models. These models will help in evaluating drainage system performance at a macro level using the new BFE's.

**Updates:** **December 2008-** The specific scope and deliverables were presented to the City Council on 9/23/08 and 11/18/08. The contract was awarded on 11/18/08 to Halff Associates, Inc.

**February 2009:** Data collection is currently underway. A meeting was coordinated with the City's GIS staff to gather data required to begin integration of various data elements.

**March 2009:** Phase I deliverables are expected in June 2009. Preliminary scoping and budgeting for Phase 2 (future years) is in progress.

**June 2009:** A key deliverable for Phase I, which includes the ponding maps, was released in draft format for City staff's review. Data collection and integration of H&H models is underway. Data collection of internal LID models is being pursued.

**July 2009-** Data collection efforts from various LID's and MUD's within the City and its ETJ is currently underway.

**August 2009-**

Requests letters were mailed out to various entities to facilitate data collection. Project scoping was initiated for future Phases (II) of the ISWMM project.

**September 2009-**

Data collection effort is underway and is anticipated to be wrapped-up in October. Scoping of work for Phase II of the ISWMM project is underway.

**December 2009 –**

Most of the data collection effort was completed. However, data from within FBC LID 2 could not be obtained. The LID 2 Engineer has cited that they would release the necessary data only after they update their internal information. Phase 1 part of the ISWMM process is expected to be wrapped-up by December 2009.

**March 2010 –**

Data from within FBC LID 2 could not be obtained to date as the district is updating its models. Phase 1 part of the ISWMM process is being wrapped-up and data collection within LID 2 would be addressed as part of Phase II - ISWMM. A City Council workshop is being planned on 4/6/2010.

